| ex of Cl | |
|--------------|--|
| | |

Application/Control No.

09/782,169

Examiner

Brian K. Talbot

Applicant(s)/Patent under Reexamination

HARA ET AL.

Art Unit

1762

| √ | Rejected |
|----------|----------|
| II | Allowed |

(Through numeral) Cancelled

Restricted

Non-Elected N Interference

Appeal 0 Objected

| | | | | | | | ı | | | L | |
|----------------------|------------------|---|----------|----------|----------|--------------|--|---|----------|-----------------|--|
| Claim | | Date | | | | | | | | | |
| | | Date | | | | | | | | | |
| _ 3 | Ciginal | မွ | | | | | | | | | |
| Final | <u></u> | 1/6/06 | | | | | | | | | |
| خ تتا | 5 | ٦ | | | | | | | | | |
| | _ | | | | | | | | | | |
| | 1 | √ | | | | | | | | | |
| | 2 | П | | | | | | | | | |
| | 3 | П | | | | | | | | | |
| 1 | 1 2 3 4 | П | | | _ | | | | | П | |
| | <u>-</u> | | | - | | | | | | П | |
| | 3 | H | | _ | \vdash | \vdash | _ | | | \vdash | |
| 1 | 7 | ╫╴ | | - | - | _ | | H | | Н | |
| | <u>.</u> B | ╫ | | - | - | | | | - | Н | |
| | 9 | H | - | - | | | - | \vdash | _ | \vdash | |
| | 0 | Н | - | | | | \vdash | H | _ | Н | |
| 1 1 | <u>Ų</u> | Н | <u> </u> | | | _ | <u> </u> | | _ | Н | |
| 1 | 1 | \sqcup | <u> </u> | <u> </u> | | <u> </u> | <u> </u> | \vdash | | \square | |
| $\perp \downarrow 1$ | 2 | Ľ | <u> </u> | | L. | L | <u> </u> | L | _ | | |
| 1 | 3 | √ | <u> </u> | | | | | $ldsymbol{ld}}}}}}$ | | Ш | |
| 1 | 4 | | | | | | | | | Ш | |
| 1 | 2 3 4 5 | | L | | | | | | | | |
| 1 | 6 | | | | | | | | | | |
| 1 | 7 | √ √ | | | | | | | | | |
| 1 | 8 9 | V | | | | | | | | П | |
| 1 | 9 | | | | | | | | | П | |
| 2 | 0 | | | | | | | | | П | |
| 2 | 1 | | | | | | | | | П | |
| 2 | 2 | | | | | | | | | | |
| 1 2 | 2 | | | | | \vdash | _ | | | | |
| 2 | 4 | \vdash | _ | | _ | _ | | | | П | |
| 2 | 5 | _ | | _ | _ | _ | | | | П | |
| 1 2 | 6 | | | | | | | | | Н | |
| 1 2 | 7 | | | | | | | | | Н | |
| 1 2 | 8 | | | | | - | - | _ | | Н | |
| 1 5 | 9 | - | | | - | | | | | H | |
| 1 2 | 0 | ├ | - | | - | - | - | \vdash | | Н | |
| | 1 | ├ | | | - | ├— | \vdash | \vdash | \vdash | Н | |
| | | | _ | | - | | - | \vdash | H | \vdash | |
| | 2 | \vdash | - | | <u> </u> | - | <u> </u> | \vdash | H | $\vdash \vdash$ | |
| 3 | 3 | \vdash | <u> </u> | _ | <u> </u> | _ | <u> </u> | \vdash | H | Ш | |
| <u> </u> | 4 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | L | | Ш | |
| 3 | 5 | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | | <u> </u> | L | | | | | Ш | |
| _3 | 6 | <u> </u> | L | <u></u> | <u> </u> | | ļ | | Ш | Ш | |
| 3 | 7 | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | | | | | | L | Ш | Ш | |
| 3 | 8 | $ldsymbol{ld}}}}}}$ | | | | | | | | Ш | |
| | 9 | | | | | | <u> </u> | L | | Ш | |
| | 0 | <u> </u> | | | | <u> </u> | L | | | Ш | |
| 4 | | | | _ | | _ | L | | | $oxed{oxed}$ | |
| | 2 | | | | | oxdot | L | | | | |
| | 3 | | | | | | | | | | |
| 4 | 4 | | | | | | Ĺ | | | | |
| 4 | 5 | | | | | | | | | | |
| 4 | 6 | | | | | | | | | П | |
| 4 | 7 | | | T | | | | Γ, | | | |
| | 8 | | | Г | | | | | | П | |
| 1 4 | 9 | Т | \vdash | \vdash | \vdash | \vdash | | | т | Н | |
| | 0 | | \vdash | | | | | | Н | | |

| Cla | im | | | | [| Date | e | | | _ | | Cla | im | | | | -(| Date | ? | | | |
|----------|---------------|----------|----------|----------|----------|--------------|--------------|---|----------|--|---|-------|----------|----------|---|----------|----|----------|---|----------|--|----------------|
| 5 | Original | 1/6/06 | | | | | | | | | | Final | Original | | | | | | | | | |
| ┪ | 1 | √ | | | | 一 | | | | | | | 51 | | _ | _ | | | | _ | | \neg |
| ┪ | 2 | Ť | | _ | | Г | | | | | | | 52 | | | | | | | | - | |
| | 3 | T | | | \vdash | Г | | | | | | | 53 | | - | | | | | | | |
| | | T | | | Ι | Ī | | | | | | | 54 | | | _ | | | | Г | | |
| | <u>4</u> 5 | 7 | | | | Г | | | | | | | 55 | | | | | | | | | |
| | 6 | T | | | Г | | | | | | | | 56 | | | | | | | | | |
| | 7 | | | | | | | | | | | | 57 | | | | | | | | | |
| | 8 | | | | | | | | | | | | 58 | | | | | | | | | |
| | 9 | | | | | | | | | | | | 59 | | | | | | | | | |
| _ | 10 | \perp | | | | | <u>_</u> | | _ | <u> </u> | | | 60 | | | | | _ | | | _ | |
| | 11 | 1 | | <u></u> | | ļ | | | | | | | 61 | | | | | | | | | |
| | 12 | 1 | | | L | | | | L | | | | 62 | | | | | | | | | |
| | 13 | √ | L | | | | | | _ | _ | | | 63 | | | | | | | | | Щ |
| _ | 14 | | <u> </u> | _ | _ | _ | $oxed{oxed}$ | | | <u> </u> | | | 64 | Ш | | <u> </u> | | | _ | | | \dashv |
| 4 | 15 | | | | | _ | | | _ | <u> </u> | | | 65 | | | | | | | | | - |
| 4 | 16 | | | | | | | | _ | ┡ | | | 66 | | | | | | | | | 4 |
| \dashv | 17 | <u>√</u> | _ | | | | _ | | _ | | | | 67 | | | | | | | L | | \blacksquare |
| \dashv | 18 19 | ✓ | _ | _ | _ | | - | | - | | } | | 68 | | | | | | | | _ | \dashv |
| \dashv | 20 | | | | H | - | <u> </u> | | | ⊢ | | | 69 70 | | | | | | | _ | H | \dashv |
| \dashv | 21 | _ | | | - | - | | | | | | | 71 | | | | | - | | - | | |
| ᅱ | 22 | | | | | - | | | | - | | | 72 | | | | | - | | | | \dashv |
| \dashv | 23 | | | | - | | - | | | - | 1 | | 73 | | | | | | _ | ┢ | \vdash | \dashv |
| \dashv | 24 | _ | - | | ├─ | \vdash | \vdash | _ | | \vdash | | | 74 | | | | | | | - | \vdash | \dashv |
| - | 25 | | _ | - | - | _ | | | | H | | | 75 | | | | | - | | - | | \dashv |
| | 26 | | | | | \vdash | | | | | i | | 76 | _ | - | | | | | | | 一 |
| ┪ | 27 | | | | | | | | | | | | 77 | | | _ | | | | | | \dashv |
| | 28 | | | | | | | | | | | | 78 | | | | | | | | Г | \neg |
| | 29 | | | | | | | | | | | | 79 | | | | | | | | | ヿ |
| | 30 | | | | | | | | | | | | 80 | | | | | | | | | |
| | 31 | | | | | | | | | | | | 81 | | | | | | | | | |
| | 32 | | | | | | | | | | | | 82 | | | | | | | | | |
| Ц | 33 | | | | | | | | | | | | 83 | | | | | | | | | |
| _ | 34 | | | | | | | | | | | | 84 | | | | | _ | _ | | | _ |
| _ | 35 | | | | L | _ | | | | | | | 85 | | | | | | | _ | | |
| | 36 | | ļ | <u> </u> | <u> </u> | | | | | <u> </u> | | | 86 | | | | | _ | | _ | | \dashv |
| 4 | 37 | | | <u> </u> | <u> </u> | <u> </u> | \vdash | _ | _ | ├- | | | 87 | | | | | <u> </u> | | _ | <u> </u> | \dashv |
| \dashv | 38 | | | | <u> </u> | - | \vdash | H | <u> </u> | ⊢ | | | 88 | | | | | - | _ | - | | \dashv |
| \dashv | 39 40 | | | - | - | \vdash | \vdash | H | - | - | } | | 89 90 | \vdash | | | | | — | <u> </u> | | |
| - | 41 | | | | ├─ | - | | _ | | \vdash | | | 91 | | _ | | | | _ | | \vdash | \dashv |
| ┪ | 42 | | | - | - | ┢ | | | | ┢ | 1 | | 92 | \vdash | | | | | _ | | \vdash | \dashv |
| ᅥ | 43 | — | _ | | \vdash | ┢ | _ | | _ | ┝ | 1 | | 93 | | _ | | | \vdash | _ | | H | \dashv |
| \dashv | 44 | | | \vdash | \vdash | ┢ | | - | - | | | - | 94 | \vdash | _ | | _ | \vdash | _ | \vdash | | \dashv |
| | 45 | | \vdash | Н | <u> </u> | \vdash | | | | \vdash | | | 95 | \vdash | | _ | | Н | - | | \vdash | \dashv |
| ᅥ | 46 | | Г | | | \vdash | | т | | \vdash | | | 96 | П | | | _ | | _ | | | \dashv |
| ┪ | 47 | | l | T | <u> </u> | | | ļ | <u> </u> | - | | | 97 | П | | | | \vdash | _ | | Г | \dashv |
| ┪ | 48 | | | Г | | | | | | | | | 98 | | | _ | | | | Г | | \dashv |
| | 49 | | Π | | | \Box | | | | | | | 99 | | | | | | | | Г | \neg |
| | 50 | | | | | | | | | | | | 100 | | | | | | | | | |
| _ | | | | _ | | _ | | | | | | | | | | | | _ | | | _ | |

| Cli | aim | | | | [| Date | e | - | | |
|----------|--|--------------|--|----------|--|--------------|--------------|--|--------------|-----------------|
| | _ | | | | | | | | | |
| a | Original | | | | | | | | | |
| Final | ij | | | | | | | | | ll |
| | 0 | | | | | | | | | |
| | 101 | | | - | _ | | | | _ | Н |
| | 102 | _ | | - | | | \vdash | _ | | Н |
| | 103 | | | - | - | | | - | | H |
| | 104 | | \vdash | \vdash | \vdash | | | | | - |
| | 105 | | \vdash | | | | \vdash | | | ├─┤ |
| | 105 | _ | <u> </u> | \vdash | | | \vdash | _ | | Н |
| | 100 | | - | \vdash | H | | | | | Н |
| | 107 | _ | | | | | <u> </u> | | | Н |
| | 101 102 103 104 105 106 107 108 | _ | - | \vdash | | | ⊢ | | \vdash | Н |
| | 110 | | ⊢ | \vdash | _ | _ | - | | _ | Н |
| | 110 | _ | ├ | \vdash | | | | | - | Н |
| | 111 | <u> </u> | - | H | | <u> </u> | _ | <u> </u> | ļ | $\vdash\vdash$ |
| | 112 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | ├- | H | <u> </u> | H |
| <u> </u> | 113 | <u> </u> | \vdash | \vdash | <u> </u> | \vdash | ├ | \vdash | <u> </u> | Н |
| | 114 | <u> </u> | \vdash | \vdash | <u> </u> | \vdash | <u> </u> | \vdash | <u> </u> | \vdash |
| | 115 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | ļ | <u> </u> | <u> </u> | |
| | 111 112 113 114 115 116 117 | | <u> </u> | <u> </u> | ļ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | Щ |
| | 11/ | | <u> </u> | _ | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | Щ |
| | 118 | <u> </u> | _ | _ | | _ | ļ | <u> </u> | L | Ш |
| | 119 120 121 | <u> </u> | <u> </u> | | | <u> </u> | _ | L | | Щ |
| | 120 | <u> </u> | <u> </u> | <u> </u> | | _ | <u> </u> | _ | | |
| | 121 | <u> </u> | ļ | | | <u> </u> | | _ | | Ш |
| | 122 | | _ | | _ | | L | ļ | _ | \sqcup |
| | 123 | _ | _ | | <u> </u> | | <u> </u> | | _ | _ |
| | 122 123 124 125 126 127 128 129 | <u> </u> | <u> </u> | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | Ш |
| | 125 | ├ | ├ | <u> </u> | _ | <u> </u> | - | _ | _ | Н |
| | 120 | | | | | <u> </u> | <u> </u> | _ | | Н |
| | 127 | <u> </u> | <u> </u> | | | | | <u> </u> | | |
| | 128 | _ | <u> </u> | ┝ | | - | ļ | | | |
| - | 129 | <u> </u> | <u> </u> | <u> </u> | | <u> </u> | | ⊢ | | |
| | 130 | <u> </u> | _ | <u> </u> | - | - | | H | <u> </u> | Н |
| | 130 131 132 | <u> </u> | ⊢ | | | | _ | | | Н |
| | 132 | | ┝ | _ | | | | | _ | Н |
| | 133 134 | _ | <u> </u> | <u> </u> | | - | | H | _ | Н |
| | 134 | \vdash | - | - | <u> </u> | ├— | ├— | | | \vdash |
| | 135 136 | \vdash | \vdash | \vdash | <u> </u> | <u> </u> | | - | | \vdash |
| | 137 | \vdash | ┝ | - | - | \vdash | - | \vdash | <u> </u> | Н |
| | 137 | \vdash | \vdash | \vdash | \vdash | | - | | | ├─┤ |
| | 138 139 | \vdash | \vdash | \vdash | | \vdash | \vdash | - | | ├─┤ |
| | 140 | \vdash | \vdash | | \vdash | \vdash | - | \vdash | | Н |
| | | - | - | | - | \vdash | \vdash | ├- | \vdash | \vdash |
| | 141 | \vdash | \vdash | \vdash | \vdash | ┢ | | | | $\vdash \vdash$ |
| | 143 | \vdash | | - | \vdash | \vdash | \vdash | \vdash | \vdash | Н |
| | 144 | \vdash | \vdash | | \vdash | \vdash | \vdash | \vdash | \vdash | Н |
| | 145 | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | | \vdash |
| | 146 | | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | Н |
| | 147 | \vdash | \vdash | <u> </u> | \vdash | ┢ | \vdash | ┢ | \vdash | Н |
| | 148 | ┝一 | \vdash | | \vdash | \vdash | \vdash | \vdash | - | H |
| | 149 | \vdash | | <u> </u> | \vdash | \vdash | - | \vdash | \vdash | \vdash |
| | 150 | \vdash | \vdash | \vdash | ┝ | \vdash | \vdash | \vdash | - | H |
| | 1 130 | Щ. | Ц | Ц | <u> </u> | Щ | Щ | Щ. | Щ. | ш |